

Title (en)

METHOD AND APPARATUS FOR REDUCING DYNAMIC RANGE OF A POWER AMPLIFIER

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERRINGERUNG DES DYNAMIKUMFANGS EINES LEISTUNGSVERSTÄRKERS

Title (fr)

PROCEDE ET APPAREIL POUR REDUIRE LA PLAGE DYNAMIQUE D'UN AMPLIFICATEUR DE PUISSANCE

Publication

**EP 1537649 B1 20060208 (EN)**

Application

**EP 03792217 A 20030721**

Priority

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Abstract (en)

[origin: US6892057B2] An output-power threshold is selected such that one or more signal requirements is not outside a pre-determined range when output power of a polar transmitter is less than the output-power threshold. A determination is made whether the output power is less than the threshold. In response to a determination that the output power is less than the threshold, amplitude modulation of a polar signal transmitted by the polar transmitter is disabled. When the output power meets or exceeds the output-power threshold, the polar signal transmitted by the polar transmitter is both amplitude and phase modulated.

IPC 8 full level

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CPC (source: EP KR US)

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